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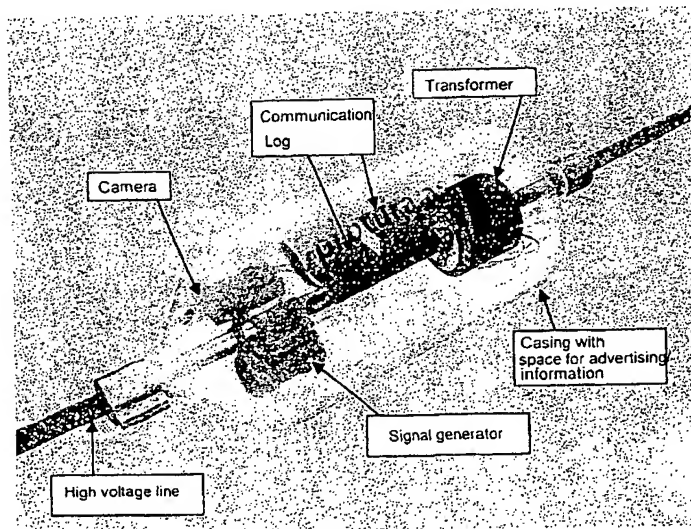
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(54) Title: MONITORING SYSTEM AND DEVICE FOR AN ELECTRIC POWER LINE NETWORK



(57) Abstract: A device is provided for monitoring an electric overhead line, which device is constituted by an independently op-
erating real time multisensor for mounting in a position on a span of the overhead line. The device has a built-in transmitter for
transmitting sensor signals to a remote central, and comprises a laser range finder for measuring distance to the ground beneath the
overhead line, as well as a camera for visual inspection of the line and its surroundings. Further, there is provided a system for
maintaining the operation of a power line network, based on remote-controlled shut-off of switches installed in special appliances,
particularly electric hot water tanks, at the premises of small consumers/private households.